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#### Sample pages

M2	Revision Exercise 5	31
	<b>Revision Exercise 5</b>	
	<ol> <li>(a) P and Q have coordinates (-3, 1) and (5, 5) respectively. Calculate:</li> <li>(i) the midpoint of PQ.</li> </ol>	
	(ii) the length of the line PQ correct to 3 significant figures.	Answer
	(b) <sub>B</sub> 6.2 cm <sub>C</sub>	Answer
	2.4 cm	
	ABC is a tile in a child's mosaic. It is a right angled triangle. AB = 2.4 cm and BC = 6.2 cm.	
	(i) the area of ABC,	
	(ii) the length of AC.	Answer cm <sup>2</sup>
	<ol> <li>(a) Write the number 60 as a modurt of its prime factors</li> </ol>	Answer cm
		Answer
	(b) Find the LCM (lowest common multiple) of 60 and 42.	
	(c) Find the HCF (highest common factor) of 60 and 42.	Answer
		Answer







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- quality; distripuish between different types of testing: system, acceptance, alpha and bete; understand the purpose of a test plan; describe the main components of a test plan; distripuish between different types of test data.

#### 3.1 Introduction

1 Introduction tem design is a catile process which results in sufficient exciting the second second second second tem design requires a shoregul underschafting of at the system is to be used for - hence it is only oblicative the analysis phase. Crucially, the design state each the user requirements that were identified the coupled from the design phase will be a design someth this tabulate.

- the design of the user interfaces; the specification of the data struc sed;
- ation of any data validation or ion scowiged:
- e design of any reports to be produced by e system.

In system. Following the completion of the system pecification, the development phase can begin, his is the phase in which the system specification implemented and the code is created by software worknows.

implemented and non-----evelopers. Because the system is developed as a series f inter-related software modules, these must be sted to ensure that they comply with the system pecification. Testing must take place on the

modules individually, and as they are integrated with Variated with chapter interactive developed with each other. In this case of systems design, development and testing: development and testing: the use of starybearding in developing the user interface.

#### Storyboarding

interface. The



technique to assess com-the proposed user interface. Just a can highlight issues in the film we storyboarding can identify issues system. For example, during the do application (or app), th ied out:

screen of the app







decide brux or train your of the design of t

SucryDoarding The storyDoarding technique can be used da design and devolptionst of the user interfa-trem 'haryboarding' has its origins in ci-londary when bestorpting for a line was been likented as a series of kitche. This Inchnique made leaving for those involved film to visualize what was happening and in or-any problems they were likely to need (for u-courses they twee likely to need (for u-tant).



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